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Issued in the interest of corn-borer control conducted by the United States Department of Agriculture in cooperation with the State departments of agriculture and State agricultural colleges in New York, Pennsylvania, Ohio, Michigan, and Indiana.

No. 22

Washington, D. C.

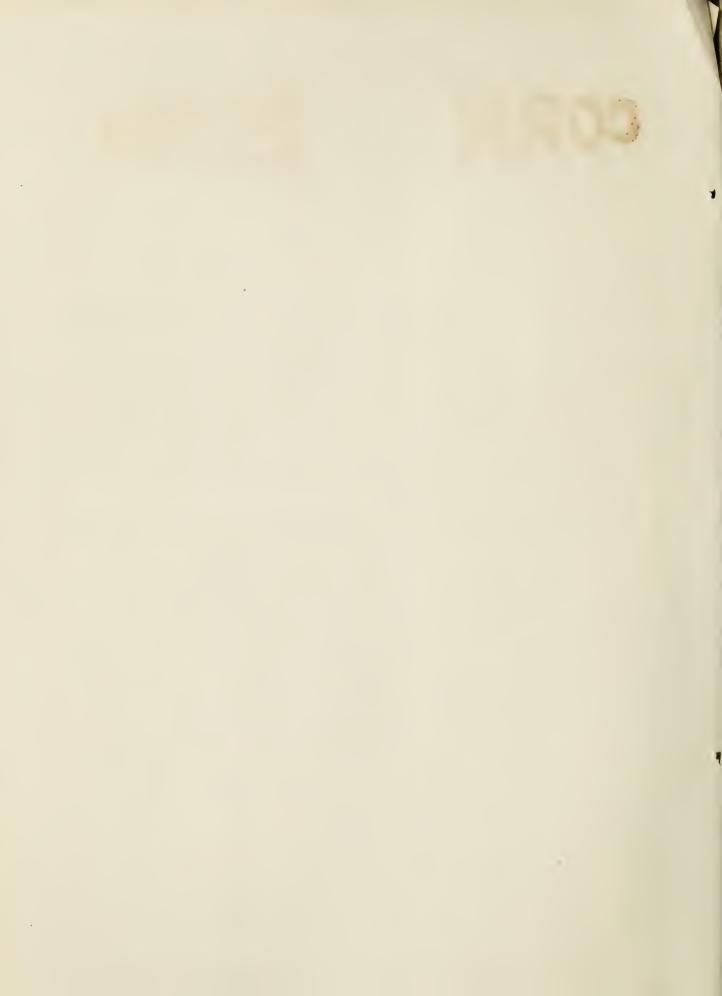
November 12, 1927.

#### CORN-BORER SPREAD FOR 1927

ederal scouts checking up on this year's spread of the corn borer have found it in a total of 461 new townships, of which 257 are in Ohio, 95 in Michigan, 72 in Indiana, 56 in Pennsylvania, and 1 in New York. Some of the townships are in counties in which infestation was reported in 1926, although the borer has been found in a total of 55 new counties in 1927. Of these 55 new counties in which corn-borer infestation has been reported, 18 are in Chio, 14 in Pennsylvania, 12 in Michigan, 10 in Indiana, and one in New York. They are listed below:

Ohio	Pennsylvania	Michigan	Indiana	New York
Auglaize Belmont Champaign Clark Coshocton Delaware Fairfield Franklin Licking Logan Madison Mercer Miami Muskingum Porry Pickaway Chelby Union	Bedford Columbia Fayette Greene Huntingdon Lackawanna Luzerne Monroe Montour Morthumberland Somerset Union Wayne Wyoming	Alcona Alpena Barry Berrien Cheboygan Clinton Eaton Gladwin Iosco Midland Ogemaw Presque Isle	Adams Elkhart Huntington Jay Kosciusko Marshall Rendolph St. Joseph Wabash Wells	Delaware

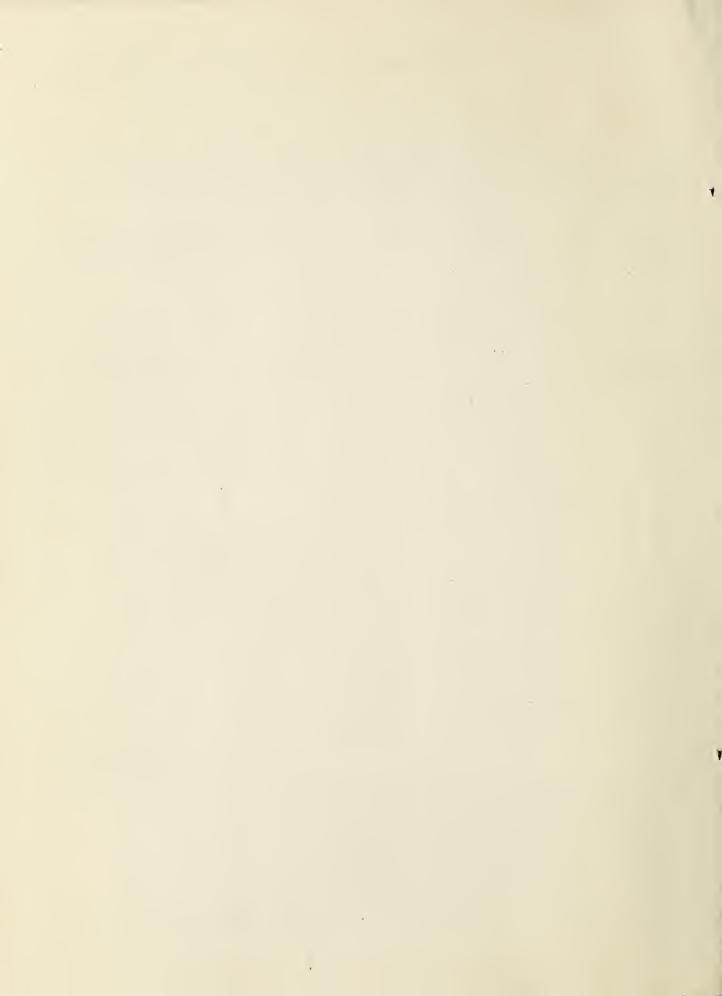
This year the borer has been found as far south as Pickaway County, Onio, as far north as Cheboygan County, Mich., and as far west as Berrien County, Mich., Berrien County is situated on the eastern shore of Lake Michigan, just above the Indiana-Michigan State line. In Indiana, the borer has proceeded westward as far as St. Joseph County.



#### REIJBURSEMENT FEES TO FARIERS BY COUNTIES

Below is listed the amount expended in each county in the campaign area for reimbursement fees to farmers from the \$10,000,000 corn-borer appropriation. This does not include salaries of personnel in clean-up work, such as supervisors, local inspectors, and clean-up crews.

State	County	Amount by Counties	Amount by States
Indiana	Allen.  De Kalb.  Lagrange.  Noble.  Steuben.  Whitly.	\$ 51,597.89 70,271.90 10,919.79 21,572.67 57,145.59 4,828.05	\$216,335.89
Tichigan	Bay. Branch Calhoun Genesee. Hillsdale Huron Ingham Jackson Kalamazoo Lapeer Lenawee Livingston Macomb Monroe Cahland Saginaw St. Clair St. Joseph Sanilac Shiawassee Tuscola Washtenaw Wayne	16,832.00 81,739.15 80,007.85 61,822.18 83,198.77 42,890.43 63,287.11 62,203.66 42,638.20 59,750.20 162,996.45 49,279.86 49,417.04 106,622.02 44,719.12 47,950.00 50,714.76 19,017.50 26,539.37 65,698.56 65,010.45 88,708.75 52,021.40	\$1,405,044.83
Pennsylvania	Beaver. Butler. Crawford. Erie. Lawrence. Mercer Venango. Warren	20,913.70 43,543.99 48,679.99 54,490.96 50,859.17 42,909.25 14,857.52 10,657.43	\$246,897.01



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## With the Corn Borer Page 4

#### HOW IS THE TIME TO COMBAT THE BORER



is the subject of a column appearing in the The Midland Republican and the Ifidland Sun, of Midland, Mich. It continues:

"By destroying the pests' winter home now, its chances of survival are practically nil, and usual farm operations will not be interfered with in the spring by clean-up work.

"The corn borer winters over in the stalks and weeds. Sealed up in its pithy palace, the pest is as comfortable as the Czar once was in Russian snows. By practicing control measures this fall, however, large numbers of the pest will be destroyed, while those which escape the clean-up will perish for want of suitable shelter.

"Low-cutting of the corn crop, within 2 inches of the ground, is the first control step, the specialists say. The stalks should then be put in the silo or finely shreaded. The action of the silage acids hills the borers, while experiments have shown that shredding, with the rollers tightly set, destroys 90 per cent of the borers.

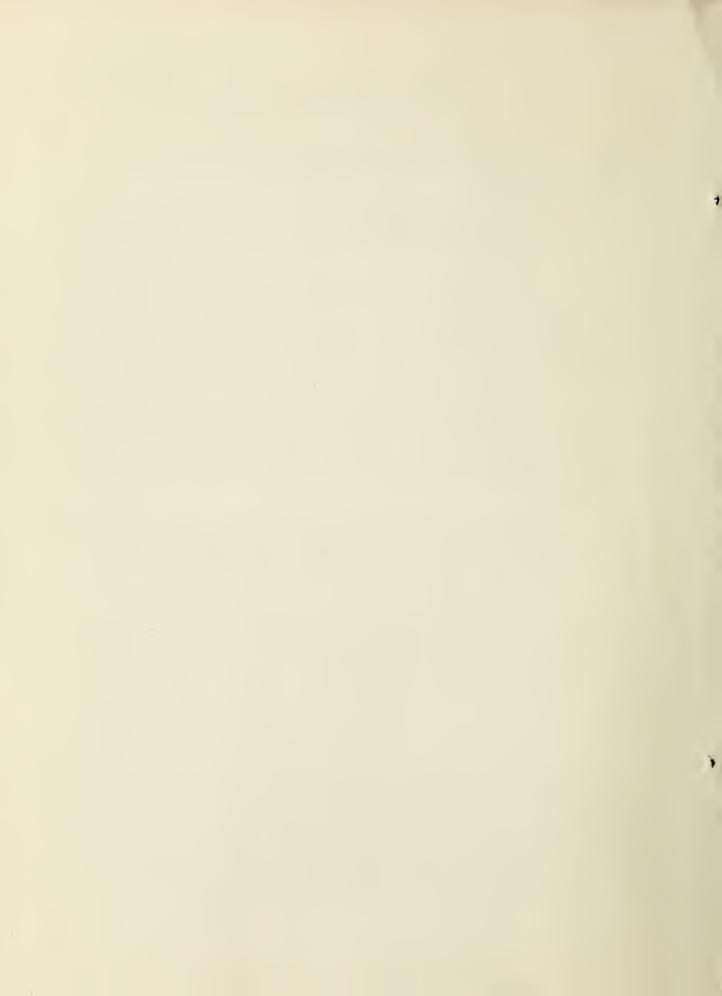
"On fields where low-cutting is not practicable, the remaining stubble should either be plowed under or pulverized with a stubble beater. According to State regulations, small grains should not be seeded in corn stubble which has not been so treated or cut low.

"That the borer is in for a hard winter is evidenced by the clean-up work which farmers are doing. Spurred on by demonstrations conducted by the college in cooperation with county agents and the U. S. Bureau of Entomology, accepted control practices are being practiced generally throughout the infested area this fall."

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#### ABOUT CORN-BORER PARASITES

"Status of Imported Parasites of the European Corn Borer," is the subject of a new circular by D. W. Jones, associate entomologist, and D. J. Caffrey, entomologist, Division of Cereal and Forage Insects. Bureau of Entomology. This publication, now ready for release, contains information regarding the number of corn-borer parasites imported, laboratory breeding operations, liberation at strategic points, numbers liberated in each area, total liberations of parasites, species established in the United States, and other interesting items.



Ohio reports that first on their fall education program in corncorer control was a series of county tours to a heavily infested field in
Chio, attended by about 2,100 people. Host of the farmers came from marginal counties or others not yet in the infested area. The low-cutting
demonstrations, of which there were 87 in Ohio, brought the total attendance at demonstrations up to 2,525. The low-cutting demonstrations were
held in 49 counties under the direction of T. H. Parks, extension entomologist, and R. D. Barden, extension engineer. The average attendance per
demonstration was 29. The attendance in the marginal counties was much
greater than in the heavily infested counties. Ideal weather for fall
plowing and silo filling interfered to a great extent with the total attendance at demonstrations.



A summary of all quarantine line inspections discloses that 3,408,872 cars proceeding out of the corn-borer area were stopped this summer and early fall and that 5,674 3/12 dozen ears of corn were taken from these cars.

#### SCOUTING

for borers in new territory is now practically finished. However, the following townships have been added since the last published list:

### Michigan

Rerrien County: Chikaming. Gladwin County: Bourret. Midland County: Lee.

Ogemaw County: Church Hill, Hill, Rose.

